



PCT09

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/743,684

DATE: 08/06/2002

TIME: 13:44:36

Input Set : A:\137617011seqlist.txt

Output Set: N:\CRF3\08062002\I743684.raw

fb

3 <110> APPLICANT: Gill, Parkash S.
 5 <120> TITLE OF INVENTION: Novel Inhibitors of Angiogenesis and Tumor Growth
 7 <130> FILE REFERENCE: 13761-7011
 9 <140> CURRENT APPLICATION NUMBER: US 09/743,684
 10 <141> CURRENT FILING DATE: 1999-07-12
 W--> 12 <140> CURRENT APPLICATION NUMBER: PCT/US99/15772
 13 <141> CURRENT FILING DATE: 1999-07-12
 15 <150> PRIOR APPLICATION NUMBER: US 60/092,647
 16 <151> PRIOR FILING DATE: 1998-07-13
 18 <160> NUMBER OF SEQ ID NOS: 59
 20 <170> SOFTWARE: FastSeq For Windows Version 4
 22 <210> SEQ ID NO: 1
 23 <211> LENGTH: 524
 24 <212> TYPE: PRT
 25 <213> ORGANISM: Homo sapiens
 27 <220> FEATURE:
 28 <223> OTHER INFORMATION: prosaposin
 30 <220> FEATURE:
 31 <221> NAME/KEY: PEPTIDE
 32 <222> LOCATION: (195)..(275)
 33 <223> OTHER INFORMATION: Saposin B
 35 <400> SEQUENCE: 1
 36 Met Tyr Ala Leu Phe Leu Leu Ala Ser Leu Leu Gly Ala Ala Leu Ala
 37 1 5 10 15
 39 Gly Pro Val Leu Gly Leu Lys Glu Cys Thr Arg Gly Ser Ala Val Trp
 40 20 25 30
 42 Cys Gln Asn Val Lys Thr Ala Ser Asp Cys Gly Ala Val Lys His Cys
 43 35 40 45
 45 Leu Gln Thr Val Trp Asn Lys Pro Thr Val Lys Ser Leu Pro Cys Asp
 46 50 55 60
 48 Ile Cys Lys Asp Val Val Thr Ala Ala Gly Asp Met Leu Lys Asp Asn
 49 65 70 75 80
 51 Ala Thr Glu Glu Glu Ile Leu Val Tyr Leu Glu Lys Thr Cys Asp Trp
 52 85 90 95
 54 Leu Pro Lys Pro Asn Met Ser Ala Ser Cys Lys Glu Ile Val Asp Ser
 55 100 105 110
 57 Tyr Leu Pro Val Ile Leu Asp Ile Ile Lys Gly Glu Met Ser Arg Pro
 58 115 120 125
 60 Gly Glu Val Cys Ser Ala Leu Asn Leu Cys Glu Ser Leu Gln Lys His
 61 130 135 140
 62 Leu Ala Glu Leu Asn His Gln Lys Gln Leu Glu Ser Asn Lys Ile Pro
 63 145 150 155 160
 65 Glu Leu Asp Met Thr Glu Val Val Ala Pro Phe Met Ala Asn Ile Pro

ENTERED

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66          165          170          175
68 Leu Leu Leu Tyr Pro Gln Asp Gly Pro Arg Ser Lys Pro Gln Pro Lys
69          180          185          190
71 Asp Asn Gly Asp Val Cys Gln Asp Cys Ile Gln Met Val Thr Asp Ile
72          195          200          205
74 Gln Thr Ala Val Arg Thr Asn Ser Thr Phe Val Gln Ala Leu Val Glu
75          210          215          220
77 His Val Lys Glu Glu Cys Asp Arg Leu Gly Pro Gly Met Ala Asp Ile
78 225          230          235          240
80 Cys Lys Asn Tyr Ile Ser Gln Tyr Ser Glu Ile Ala Ile Gln Met Met
81          245          250          255
83 Met His Met Gln Pro Lys Glu Ile Cys Ala Leu Val Gly Phe Cys Asp
84          260          265          270
86 Glu Val Lys Glu Met Pro Met Gln Thr Leu Val Pro Ala Lys Val Ala
87          275          280          285
89 Ser Lys Asn Val Ile Pro Ala Leu Glu Leu Val Glu Pro Ile Lys Lys
90          290          295          300
92 His Glu Val Pro Ala Lys Ser Asp Val Tyr Cys Glu Val Cys Glu Phe
93 305          310          315          320
95 Leu Val Lys Glu Val Thr Lys Leu Ile Asp Asn Asn Lys Thr Glu Lys
96          325          330          335
98 Glu Ile Leu Asp Ala Phe Asp Lys Met Cys Ser Lys Leu Pro Lys Ser
99          340          345          350
101 Leu Ser Glu Glu Cys Gln Glu Val Val Asp Thr Tyr Gly Ser Ser Ile
102          355          360          365
104 Leu Ser Ile Leu Leu Glu Glu Val Ser Pro Glu Leu Val Cys Ser Met
105          370          375          380
107 Leu His Leu Cys Ser Gly Thr Arg Leu Pro Ala Leu Thr Val His Val
108 385          390          395          400
110 Thr Gln Pro Lys Asp Gly Gly Phe Cys Glu Val Cys Lys Lys Leu Val
111          405          410          415
113 Gly Tyr Leu Asp Arg Asn Leu Glu Lys Asn Ser Thr Lys Gln Glu Ile
114          420          425          430
116 Leu Ala Ala Leu Glu Lys Gly Cys Ser Phe Leu Pro Asp Pro Tyr Gln
117          435          440          445
119 Lys Gln Cys Asp Gln Phe Val Ala Glu Tyr Glu Pro Val Leu Ile Glu
120          450          455          460
123 Ile Leu Val Glu Val Met Asp Pro Ser Phe Val Cys Leu Lys Ile Gly
124 465          470          475          480
126 Ala Cys Pro Ser Ala His Lys Pro Leu Leu Gly Thr Glu Lys Cys Ile
127          485          490          495
129 Trp Gly Pro Ser Tyr Trp Cys Gln Asn Thr Glu Thr Ala Ala Gln Cys
130          500          505          510
132 Asn Ala Val Glu His Cys Lys Arg His Val Trp Asn
133          515          520
136 <210> SEQ ID NO: 2
137 <211> LENGTH: 81
138 <212> TYPE: PRT
139 <213> ORGANISM: Homo sapiens

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141 <220> FEATURE:

142 <223> OTHER INFORMATION: Saposin B

144 <400> SEQUENCE: 2

145 Gly Asp Val Cys Gln Asp Cys Ile Gln Met Val Thr Asp Ile Gln Thr

146 1 5 10 15

148 Ala Val Arg Thr Asn Ser Thr Phe Val Gln Ala Leu Val Glu His Val

149 20 25 30

151 Lys Glu Glu Cys Asp Arg Leu Gly Pro Gly Met Ala Asp Ile Cys Lys

152 35 40 45

154 Asn Tyr Ile Ser Gln Tyr Ser Glu Ile Ala Ile Gln Met Met Met His

155 50 55 60

157 Met Gln Pro Lys Glu Ile Cys Ala Leu Val Gly Phe Cys Asp Glu Val

158 65 70 75 80

160 Lys

164 <210> SEQ ID NO: 3

165 <211> LENGTH: 33

166 <212> TYPE: DNA

167 <213> ORGANISM: Artificial Sequence

169 <220> FEATURE:

170 <223> OTHER INFORMATION: Description of Artificial Sequence:5' primer for

171 amplifying Saposin B cDNA

173 <400> SEQUENCE: 3

174 attcgaattc aaggggacgt ttgccaggac tgc 33

177 <210> SEQ ID NO: 4

178 <211> LENGTH: 33

179 <212> TYPE: DNA

180 <213> ORGANISM: Artificial Sequence

183 <220> FEATURE:

184 <223> OTHER INFORMATION: Description of Artificial Sequence:3' primer for

185 amplifying Saposin B cDNA

187 <400> SEQUENCE: 4

188 ttctgtgatg aggtgaaata gctcgagctc gag 33

191 <210> SEQ ID NO: 5

192 <211> LENGTH: 36

193 <212> TYPE: DNA

194 <213> ORGANISM: Artificial Sequence

196 <220> FEATURE:

197 <223> OTHER INFORMATION: Description of Artificial Sequence:5' primer for

198 PCR amplification of Prosaposin

200 <400> SEQUENCE: 5

201 ctagatctag aaatgtacgc cctcttctc ctggcc 36

204 <210> SEQ ID NO: 6

205 <211> LENGTH: 36

206 <212> TYPE: DNA

207 <213> ORGANISM: Artificial Sequence

209 <220> FEATURE:

210 <223> OTHER INFORMATION: Description of Artificial Sequence:3' primer for

211 PCR amplification of Prosaposin

213 <400> SEQUENCE: 6

RAW SEQUENCE LISTING

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Input Set : A:\137617011seqlist.txt

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214 ctcgagctcg agctagttcc acacatggcg ttgca 36
217 <210> SEQ ID NO: 7
218 <211> LENGTH: 33
219 <212> TYPE: DNA
220 <213> ORGANISM: Artificial Sequence
222 <220> FEATURE:
223 <223> OTHER INFORMATION: Description of Artificial Sequence:5' primer for
224 PCR amplification of Saposin A
226 <400> SEQUENCE: 7
227 ctatgtctag aatcccttcc ctgacacata tcc 33
230 <210> SEQ ID NO: 8
231 <211> LENGTH: 36
232 <212> TYPE: DNA
233 <213> ORGANISM: Artificial Sequence
235 <220> FEATURE:
236 <223> OTHER INFORMATION: Description of Artificial Sequence:3' primer for
237 PCR amplification of Saposin A
239 <400> SEQUENCE: 8
240 ctcgagctcg agtcacttct ggagagactc gcagag 36
244 <210> SEQ ID NO: 9
245 <211> LENGTH: 33
246 <212> TYPE: DNA
247 <213> ORGANISM: Artificial Sequence
249 <220> FEATURE:
250 <223> OTHER INFORMATION: Description of Artificial Sequence:5' primer for
251 PCR amplification of Saposin C
253 <400> SEQUENCE: 9
254 ctatgtctag aatctgatgt ttactgtgag gtg 33
257 <210> SEQ ID NO: 10
258 <211> LENGTH: 36
259 <212> TYPE: DNA
260 <213> ORGANISM: Artificial Sequence
262 <220> FEATURE:
263 <223> OTHER INFORMATION: Description of Artificial Sequence:3' primer for
264 PCR amplification of Saposin C
266 <400> SEQUENCE: 10
267 ctcgagctcg agtcattcca gagcagaggt gcagca 36
270 <210> SEQ ID NO: 11
271 <211> LENGTH: 33
272 <212> TYPE: DNA
273 <213> ORGANISM: Artificial Sequence
275 <220> FEATURE:
276 <223> OTHER INFORMATION: Description of Artificial Sequence:5' primer for
277 PCR amplification of Saposin D
279 <400> SEQUENCE: 11
280 ctatgtctag aagacggtgg cttctgcgaa gtg 33
283 <210> SEQ ID NO: 12
284 <211> LENGTH: 36
285 <212> TYPE: DNA

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/743,684

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Input Set : A:\137617011seqlist.txt

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286 <213> ORGANISM: Artificial Sequence
288 <220> FEATURE:
289 <223> OTHER INFORMATION: Description of Artificial Sequence:3' primer for
290     PCR amplification of Saposin D
292 <400> SEQUENCE: 12
293 ctcgagctcg agtcacttat gggccgaggg gcaggc 36
296 <210> SEQ ID NO: 13
297 <211> LENGTH: 15
298 <212> TYPE: PRT
299 <213> ORGANISM: Artificial Sequence
301 <220> FEATURE:
302 <223> OTHER INFORMATION: Description of Artificial Sequence:anti-angiogenic
303     polypeptide
305 <400> SEQUENCE: 13
306 Gln Pro Lys Asp Asn Gly Asp Val Cys Gln Asp Cys Ile Gln Val
307 1 5 10 15
310 <210> SEQ ID NO: 14
311 <211> LENGTH: 17
312 <212> TYPE: PRT
313 <213> ORGANISM: Artificial Sequence
315 <220> FEATURE:
316 <223> OTHER INFORMATION: Description of Artificial Sequence:anti-angiogenic
317     polypeptide
319 <400> SEQUENCE: 14
320 Ile Gln Met Val Thr Asp Ile Gln Thr Ala Val Arg Thr Asn Ser Thr
321 1 5 10 15
323 Phe
327 <210> SEQ ID NO: 15
328 <211> LENGTH: 17
329 <212> TYPE: PRT
330 <213> ORGANISM: Artificial Sequence
332 <220> FEATURE:
333 <223> OTHER INFORMATION: Description of Artificial Sequence:S23-R39
334     anti-angiogenic polypeptide
336 <400> SEQUENCE: 15
337 Ser Thr Phe Val Gln Ala Leu Val Glu His Val Lys Glu Glu Cys Asp
338 1 5 10 15
340 Arg
344 <210> SEQ ID NO: 16
345 <211> LENGTH: 14
346 <212> TYPE: PRT
347 <213> ORGANISM: Artificial Sequence
349 <220> FEATURE:
350 <223> OTHER INFORMATION: Description of Artificial Sequence:anti-angiogenic
351     polypeptide
353 <400> SEQUENCE: 16
354 Cys Asp Arg Leu Gly Pro Gly Met Ala Asp Lys Asn Tyr Ser
355 1 5 10
358 <210> SEQ ID NO: 17

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RAW SEQUENCE LISTING ERROR SUMMARY
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Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:44; Xaa Pos. 1,2,3,4,5,6,12,13,14,15,16,17,18,19,20,21,22,23,24,25,26
 Seq#:44; Xaa Pos. 27,28,29,30,31,32,33,34,35,36,37,38,39,40,41,42,43,44,45
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 Seq#:45; Xaa Pos. 1,2,3,4,5,6,12,13,14,15,16,17,18,19,20,21,22,23,24,25,26
 Seq#:45; Xaa Pos. 27,28,29,30,31,32,33,34,35,36,37,38,39,40,41,42,43,44,45
 Seq#:45; Xaa Pos. 46,47,48,49,50,51,52,53,54,55,56,57,58,59,60,61,62,63,64
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 Seq#:46; Xaa Pos. 6,12,13,14,15,16,17,18,19,20,21,22,23,24,25,26,27,28,29
 Seq#:46; Xaa Pos. 30,31,32,33,34,35,36,37,38,39,40,41,42,43,44,45,46,47,48
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 Seq#:49; Xaa Pos. 2,3,4,5,6,12,13,14,15,16,17,18,19,20,21,22,23,24,25,26,27
 Seq#:49; Xaa Pos. 28,29,30,31,32,33,34,35,36,37,38,39,40,41,42,43,44,45,46
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 Seq#:49; Xaa Pos. 66,67,68,69,70
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 Seq#:56; Xaa Pos. 1,2,3,4,5,6,12,14,15,16
 Seq#:57; Xaa Pos. 1,2,3,4,5,6,12,13,15,16
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 Seq#:59; Xaa Pos. 1,2,3,4,5,6,12,13,14,15